

Claims

We  
Claim:

1. A method for parallel high speed transmission of data at multiple frequencies over a telephone line, comprising:  
creating multiple data files from said data to be transmitted;  
generating multiple tones, wherein each one of said tones has a different frequency;  
assigning each one of said multiple data files to a corresponding one of said tones;  
combining said multiple tones into a single multi-tone signal; and  
transmitting said multi-tone signal.

2. A method for simultaneously transmitting multiple data files at multiple frequencies over a communications line at high speed, comprising the steps of:

compressing said data to be transmitted;  
splitting said data into eight files;  
adding an error check signal as a ninth file to said eight files;  
adding a clocking signal as a tenth file to said nine files;  
sending each one of said ten files to a separate one of ten different tone generators;

08889776-070897  
68070-9268880

generating a different tone for each one of said ten files, wherein the frequency of each one of said tones are separated from one another by the same frequency bandwidth;

combining said ten tones into one multi-tone signal;

transmitting said multi-tone signal over a communications line.

Add  
B5

Add  
C4

08889776-070897